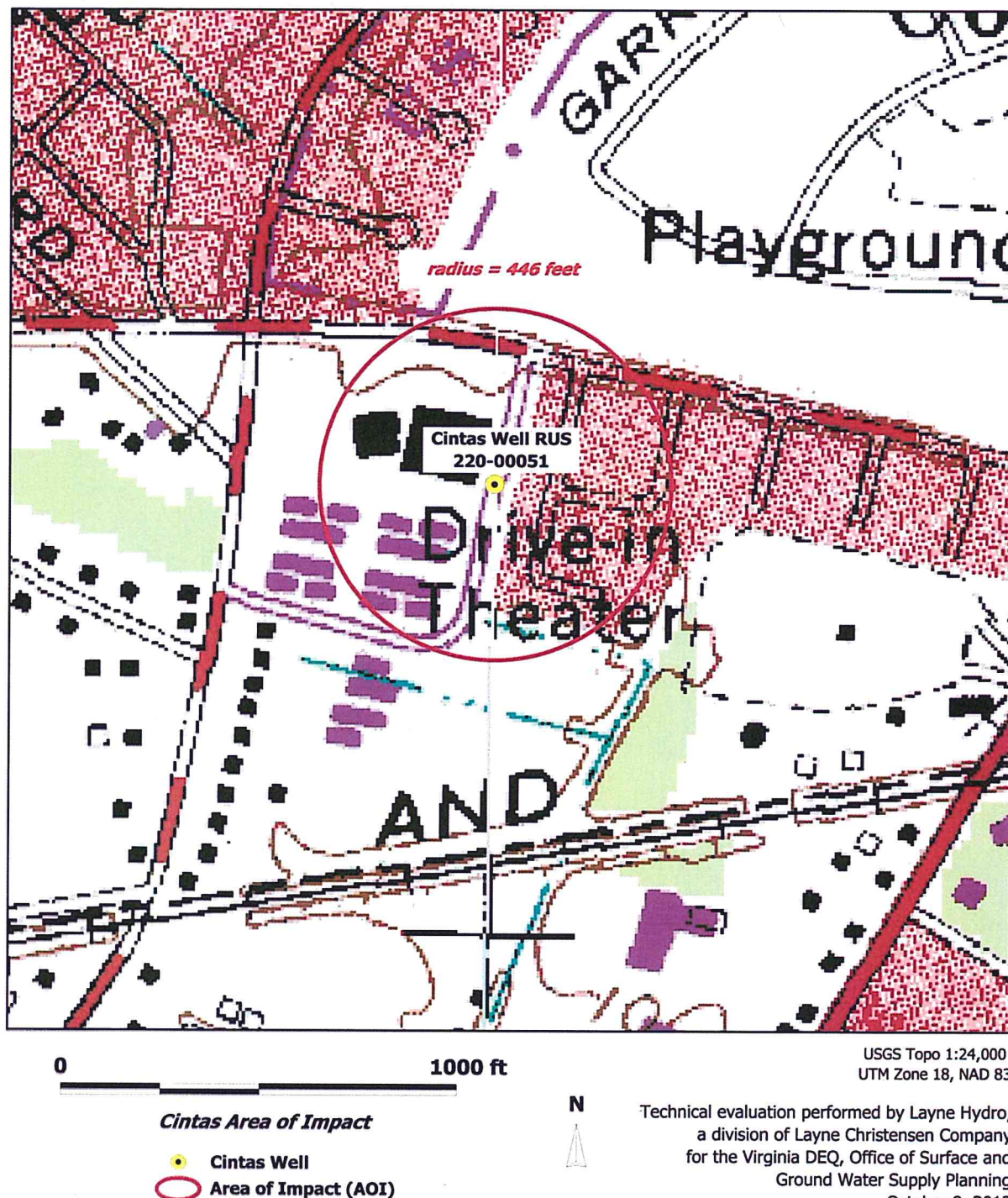


Portsmouth - Cintas Portsmouth #391

Area of Impact - Upper Potomac Aquifer



The Area of Impact (AOI) in the Upper Potomac Aquifer is based on a 2-dimensional (Hantush and Jacob, 1955) simulation of a withdrawal of 23,600,00 gallons per year or 45 gallons per minute. The AOI after the 10-year permit term extends approximately 446 feet from the Cintas production well.



Figure 4. Area of Impact for the Cintas production well in the Upper Potomac Aquifer.